



FACULTY MENTOR

Zhaowei Liu

PROJECT TITLE

Optical Imaging with Deep Learning

PROJECT DESCRIPTION

The project aims to build a working prototype for a computational imaging system. An optical setup will be used to collect a series of signals/images, and a deep learning-based numerical algorithm will be used to reconstruct a final image with an improved signal-to-noise ratio or with improved resolution.

This project will be in person.

INTERNS NEEDED

2 Students

PREREQUISITES

- MS students are preferred.
- Programming experience.
- Hand-on skills.
- Knows basic computer hardware interface and optics.